| Index of Claims                                     |                       |           |                   |   |          |                |              |           |          |                   |             |            | Application No. |         |             |       |            |           |          |         |               | Applicant(s) |                      |          |  |  |  |
|---|-----------------------|-----------|-------------------|---|----------|----------------|--------------|-----------|----------|-------------------|-------------|------------|-----------------|---------|-------------|-------|------------|-----------|----------|---------|---------------|--------------|----------------------|----------|--|--|--|
| •   |                       |           |                   |   |          |                |              |           |          |                   |             | 09/674,620 |                 |         |             |       |            |           |          |         | MORIYA ET AL. |              |                      |          |  |  |  |
|   |                       |           |                   |   |          |                |              |           |          |                   |             | Examiner   |                 |         |             |       |            |           |          |         | Art Unit      |              |                      |          |  |  |  |
|   |                       |           |                   |   |          |                |              |           |          |                   |             |            |                 |         |             |       |            |           |          |         | •             |              |                      |          |  |  |  |
| F FRVIN OPKA 12010 CITIL 1881 GENER STILA BLAT 1801 |                       |           |                   |   |          |                |              |           |          |                   |             |            | Dennis Rosario  |         |             |       |            |           |          |         |               |              |                      |          |  |  |  |
|   |                       |           | Γ                 |   | _        | ,              |              |           |          |                   | ~           | _          |                 |         |             |       | 1          | _         |          |         |               |              | 1                    |          |  |  |  |
| √ Rejected — (Through numer                         |                       |           |                   |   |          |                |              | ral)      | al)      | N                 | Non-Elect   |            |                 | ted     | ed          |       | Appeal     |           |          |         |               |              |                      |          |  |  |  |
| Cancelled   |                       |           |                   |   |          |                |              |           | 4        | Ľ                 | <del></del> |            |                 |         |             | A     |            |           |          |         |               |              |                      |          |  |  |  |
|   |                       | =         | Allow             | ed  |          |                | Restricted   |           |          |                   |             | ı          | Interferen      |         |             | Ce    |            | o         | C        | Obje    | cted          | i            |                      |          |  |  |  |
|   |                       | L         | l                 |   | L        |                |              |           |          |                   | ل           | Ш          |                 |         |             |       | Ш          |           |          |         |               | ]            |                      |          |  |  |  |
|   | Claim Date            |           |                   |   |          | $\neg$         | Ci           | Claim     |          |                   | Dat         | e          | )               |         | 1 1         | Claim |            | Γ-        | Date     |         |               |              | ٦                    |          |  |  |  |
|   |                       | 02        |                   |   |          | П              |              |           | <u> </u> |                   | Т           |            | $\Box$          | Т       | ] [         |       |            | П         |          |         |               | Τ            | П                    | 7        |  |  |  |
|   | Final<br>Original     | 64        | 102<br>2024       |   |          |                | Final        | Original  |          |                   |             |            |                 |         | Н           | Final | Ortginal   |           |          |         |               |              |                      |          |  |  |  |
|   | ٥                     | 35        | 05 06             |   |          |                | "            | ŏ         |          | Ш                 |             |            | $\coprod$       |         | П           | U.    | ŏ          |           |          |         |               |              |                      |          |  |  |  |
|   | UU                    |           | <b>V</b> =        |   |          |                |              | 51        |          | П                 |             |            |                 |         | 1           |       | 101        |           |          |         |               | 工            |                      | ]        |  |  |  |
|   | 2 2                   | ╁         | <del>   = -</del> | ╂╾╂╾┨   | -        | Н              | -            | 52<br>53  |          | H                 | +           | -          | -               | +-      | 1           |       | 102        | $\vdash$  | +        | +       | -             | ╁            | -                    | 4        |  |  |  |
|   | 3 4                   | H         | =                 |   |          |                |              | 54        |          |                   |             |            |                 |         | 1           |       | 104        |           |          | Н       | +             | +            |                      | 1        |  |  |  |
|   | 4 5                   | $\coprod$ |                   |   |          |                |              | 55        |          | $\prod$           |             |            |                 | -       | 11          |       | 105        |           | T        | $\Box$  | $\Box$        |              | П                    | ]        |  |  |  |
|   | 5 6                   | ╁╁        | ╫╫╌               | ++-1  |          | H              | -            | 56<br>57  | +        | ╁┼                | +           | Н          | +               | +       | 1 1         |       | 106<br>107 | Н         | +        | +       |               | +-           | ╁┼                   | ┥        |  |  |  |
|   | 7 B                   | 廿         |                   |   |          |                |              | 58        | 工        |                   | 上           |            |                 | 工       | 1           |       | 108        |           | 土        |         |               |              |                      |          |  |  |  |
|   | 8 9                   | #         | 11111-            |   |          | <b>—</b> ;     | -            | 59<br>60  | - -      | ++                | ╀           | Ш          | -               |         |             |       | 109<br>110 | Н         | 4        | +       | _             |              |                      | 7        |  |  |  |
|   | 9 10                  | ╫         |                   | ╁┼┤┤  |          | H              | -            | 61        | +        | ++                | +-          |            | +               | ╅╌      | Н           |       | 111        | Н         | +        | +       | $\dashv$      | ┿            | $\vdash$             | ┥        |  |  |  |
|   | 11 12                 |           |                   |   |          |                |              | 62        | $\Box$   | П                 | 工           |            |                 | $\perp$ |             |       | 112        |           |          | $\Box$  |               |              |                      | <u> </u> |  |  |  |
|   | (12) (13)<br>(13) (4) | ╢.        |                   | ╂╌╂╌┨   | $\vdash$ | H              | 1            | 63<br>64  |          | H                 | +           | -          | -               |         | 1           |       | 113        | Н         | -        | +-1     | -             | ╁            | -                    | 4        |  |  |  |
|   | 15                    | Ν.<br>Γ   | 7.7               |   |          | Н.             |              | 65        | +        |                   |             |            |                 |         | 1.          |       | 115        |           | $\pm$    | $\pm$   |               | $\pm$        |                      | _        |  |  |  |
|   | 16                    |           |                   |   |          |                |              | 66        |          | П                 | $\mp$       |            | Д.              | $\bot$  | ] .         |       | 116        | П         | $\Box$   | $\Box$  |               | $\bot$       |                      | ]        |  |  |  |
|   | 17                    | Н         | H +               | ╂┼┼   | $\vdash$ | <del>   </del> | -            | 67<br>68  | +        | ╁┼                | +           | Н          | $\forall$       | +       |             |       | 117<br>118 | Н         | +        | +       | +             | ╁            | ╁┼                   | -        |  |  |  |
|   | 19                    |           |                   |   |          | $\Box$ :       |              | 69        |          |                   | 工           |            |                 |         |             |       | 119        |           |          |         |               |              |                      | <b>i</b> |  |  |  |
|   | 20                    | ╀-        |                   |   |          | H              | <del> </del> | 70<br>71  |          | H                 | +           | -          | $\dashv$        | +       |             |       | 120<br>121 | Н         |          | Н       | +             | ╀            | 1                    | 4        |  |  |  |
| ~;  | 22                    | 1         |                   |   |          | H              |              | 72        | $\top$   | $\Box$            | $\pm$       |            |                 | $\pm$   | 1           |       | 122        |           |          | $\perp$ |               | 士            |                      | _        |  |  |  |
|   | 23                    |           |                   |   |          | $\Box$         |              | 73        |          | П                 | $\perp$     |            |                 |         | ]           |       | 123        |           |          |         | $\Box$        | Ţ            |                      | 4        |  |  |  |
|   | 24                    | -         |                   | ++-   |          | Н              | -            | 74<br>75  | -        | ╁┼                | +           | -          | $\vdash$        | +       | $ \cdot $   | -     | 124<br>125 | Н         |          | +       | +             | ╁            | ┼┼                   | -        |  |  |  |
|   | 26                    |           |                   |   |          | $\Box$         |              | 76        |          | $\Box$            | 工           |            |                 |         | 1 ]         |       | 126        |           |          | 口       |               | 土            |                      |          |  |  |  |
|   | 27                    | _         |                   |   | -        | H              | <del> </del> | 77<br>78  | -        | ${f H}$           | +           | H          | 4               | +       | 1           |       | 127<br>128 | Н         | -        | +       | 4             | +            | -                    |          |  |  |  |
|   | 28                    |           | $\vdash$          | +++   | $\vdash$ | Н              | -            | 79        | $\dashv$ | $\dagger \dagger$ | +           | $\vdash$   | $\vdash$        | +-      | 1           |       | 129        | Н         | $\dashv$ | +       | +             | +            | $\vdash$             | ┥        |  |  |  |
|   | 30                    |           |                   |   |          | П.             |              | - 80      |          | П                 | $\bot$      |            |                 | $\perp$ | ]           |       | 130        |           | I        | П       | $\Box$        | I            | П                    | ] ·      |  |  |  |
|   | 31                    | H         | H +               | +   |          | H              | -            | 81<br>82  | +        | ╁┼                | +           | $\vdash$   | ${\mathbb H}$   | ╁       | $\{ \   \ $ |       | 131<br>132 | Н         | +        | Н       | +             | +            | ╁                    | -{       |  |  |  |
|   | 33                    |           |                   |   |          |                |              | 83        |          |                   | 土           |            |                 |         | 1.1         |       | 133        |           |          |         |               | 土            |                      |          |  |  |  |
|   | 34                    |           |                   |   |          | П              |              | 84<br>85  |          | H                 | _           |            | $\dashv$        | _       | 1           |       | 134        | $\square$ | 1        | $\Box$  | $\Box$        |              |                      | 7        |  |  |  |
|   | 35                    | $\vdash$  | -+-               | +++   |          | H              | $\vdash$     | 88        | +-       | H                 | +           | -          | -+              | +       |             | -     | 135<br>136 | Н         | +        | ╁┤      | +             | ╁            | ╁                    | -{       |  |  |  |
|   | 37                    |           |                   |   |          |                |              | 87        |          |                   | 工           |            |                 | 土       | $ \cdot $   |       | 137        |           |          |         | 士             | 工            |                      |          |  |  |  |
|   | 38                    | $\vdash$  | ┞╌┼╌┼╌            | ╂╌╂┈┨   |          | +              | -            | 88<br>89  |          | HH                | +-          |            | 1               | +       | 1 1         | _     | 138<br>139 |           | -        | +       | $\dashv$      | +-           |                      | 4        |  |  |  |
|   | 40                    |           |                   |   |          | H.             | ·            | 90        | _        | 1-1               | -           |            | -               | +       |             |       | 140        |           | _        | 1       | -             | +            | H                    | ┥        |  |  |  |
|   | 41                    |           |                   |   |          | $\square^*$    |              | 91        |          | П                 | $\top$      |            |                 | I       | 11          |       | 141        |           |          |         | $\Box$        | 1            | $\Box$               | ]        |  |  |  |
|   | 42                    | $\vdash$  |                   | ╁╾┟╾╽   |          | Η.             |              | 92<br>93  | +-       | ╁┼                | +           | $\vdash$   |                 | ╁       |             |       | 142        | Н         | +        | ╁┤      | +             | +            | ╁                    | 4        |  |  |  |
|   | 44                    |           |                   |   |          |                |              | 94        |          |                   | 土           |            |                 | 上       | 1           |       | 144        |           |          |         |               |              |                      | j j      |  |  |  |
|   | 45                    | П         | HI                | + $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ |          | +              |              | 95<br>96  | $\bot$   | +                 | +           |            | $\vdash I$      | 1       | $\{ \   \ $ |       | 145<br>146 | $\square$ |          | +       | 1             | <u> </u>     | Н                    | 4        |  |  |  |
|   | 46                    | $\vdash$  | +++               | ╁┼┤   |          | H              |              | 97        | $\pm$    | -                 | +           | +-         | -               | +       | <u> </u>    | -     | 147        | H         | +        | +       | +             | +            | <del>    -   -</del> | ┥        |  |  |  |
|   | 48                    |           |                   |   | $\Box$   |                |              | 98        |          | П                 | $\top$      |            | $\Box$          |         |             |       | 148        | П         | 1        | $\Box$  |               | T            | П                    | 7        |  |  |  |
|   | 49<br>50              | Н         | ┝┼┽╌              | ┼┼  | -        | Н              | -            | 99<br>100 | +        | ╁┼                | -           | ┝┤         | ╁               | +       | 1           |       | 149<br>150 | $\vdash$  | +        | ╂┥      | +             | +            | ┾┼                   | -        |  |  |  |
|   |                       | 1         |                   | لساب  |          |                |              |           |          |                   | <u> </u>    | •          |                 |         |             |       |            | _         |          |         | ш.            |              |                      |          |  |  |  |